

# THE TECH

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BOSTON, MASS., WEDNESDAY, NOVEMBER 27, 1907

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## ELECTION OF FENCING MANAGER CAUSES LONG DISCUSSION.

MOSES 1909 FINALLY GETS POSITION.

Athletic Association has a Spirited Meeting as Result.

At the meeting of the Athletic Association Monday afternoon there was a lively discussion over the election of a fencing manager. A. L. Moses 1909, was finally elected to the position. L. Soule 1909, was elected assistant manager of the Cross Country Team.

The following members of the association were present:—Glover, Gimson, Lange, Moses, Whitaker, Avery, Fernstrom, Fitzherbert, Salisbury, Seligman, Van Tassel, Orr, McMurtrie, Wentworth, Whitmore, Loring, Fanning, Coffin, Turner, Kelley, Callaway, Ferris, Scharff, and Place.

President Glover brought up the question of having fines for absence and tardiness at meetings, making fifty cents for absence and half that amount for tardiness. On a motion of T. W. Orr this plan was adopted.

A letter from Schaffer 1909 in reference to his work in the competition for fencing manager last year was read. He said that he had understood all along that he was assistant manager of the team and that he was therefore entitled to the position of manager this year. He did not see how any competition for the position this year was in order.

Captain Loring of the Fencing Team said that Schaffer had told him that morning that he was no longer a candidate for the position and that he did not care to have his name proposed. In view of this fact Mr. Loring did not see how any discussion was in order. President Glover then said that he had just received notification that Schaffer was still a candidate.

The president then called upon Captain Loring for a statement of what Schaffer had done in the competition last year. Loring replied that everything had been expressed in the communication to THE TECH and that if there was a copy of that paper available it would explain everything.

The president said it would do just as well to have him tell about the work done by the candidate in question. No sooner had Mr. Loring started to speak than Mr. Place came in and Mr. Loring said that he would leave the speaking on that subject to him. The president, however, said that it would be just as well to have both the captain and manager. Loring said that Schaffer was unsatisfactory to the members of the team.

Manager Place spoke next and said that last year there had been only one candidate in the competition for assistant manager. This one man was Schaffer. He said that his work had been poor and that he had not done much of it. He had proven in many ways that he was not the man for the job, and it was held further that the team did not consider him a fit man to represent the Institute.

McMurtrie then said that the editorial that had appeared in THE TECH on the subject of a fencing manager had been so severely criticized that he felt there should be some explanation of the facts that had promoted it. As he understood it the story of the competition last year was as follows:—

Early in the season Schaffer had announced his intention of trying for the job of assistant manager and that two weeks later the captain of the team asked him if he still wanted to try for the position. He said that he did and he was told that the matter had been talked over by the captain and manager of the team and they had decided that he would do very well for the job and that he was therefore appointed assistant manager at least for the time being. He asked whether, if he filled the position for the year, it meant that he would be manager the following year and he was told that without a doubt he would get the election. During the year he worked hard and did a great

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## RESEARCH WORK IS SERVICE TO MANKIND.

PROF. JAGGAR ADVANCES THIS REWARD FOR CAREFUL PLODDING EXPERIMENTATION.

Tech Grads Have Made Great Name in Geological Circles.

(By Prof. T. A. Jaggar, Jr.)

The Geological Department at the Institute of Technology fulfills three purposes: 1) the training in their third and fourth years of a group of men in the mining course who wish to be mining geologists as well as mining engineers; 2 the presentation of Geology to a large group of men in other courses, especially Civil Engineering, who need the subject as an accessory to their work as engineers; 3) the training of a very limited group of men as specialists in geology under what is known as course 12. It will be seen by this that the principal work of the Geological Department is that of an adjunct to the departments of Mining and of Civil Engineering. This is as it should be in a technical school, for geology by itself is not an engineering profession. It is true that a few men work their way each year into the



PROF. T. A. JAGGAR, JR.

federal and state geological surveys as geologists. These surveys are, however, largely economic in aims. It is better for the men and better for the government organizations in question if the previous training of candidates has been that of mining geologists, except in rare instances where a specialist in such subject as paleontology or petrography is required.

With these aims the Department of Geology at the Institute has during the last few years strengthened the courses in Geological Surveying, Petrography, and Economic Geology and especial stress has been laid upon practical work in the field. For three years the students of the geological option in Mining Engineering actually go into the field and see and map rocks of many different kinds. They bring the specimens to the laboratories where microscopical preparations are made, and they learn the names of the rocks and the laboratory methods of study. Practically the same methods are applied to the study of ores, and to such extent as is possible in New England, localities of economic interest are visited. All of the men are encouraged to go West in the summer and work in mines in any capacity within their scope.

The recent graduates in whom the Geological Department is most interested are those who took degrees in option 3 in Mining. These men have generally had graduation theses in geology. The demand for them as for all the graduates of our Mining Department known for his writings, as a teacher, as

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## TEAM SENT OFF AS NEVER BEFORE.

200 MEN CHEER CROSS COUNTRY MEN AT STATION.

Eight Men Go Down to Princeton to Get Laurels for Tech.

With a rousing sendoff by over 200 undergraduates such as has not been surpassed in the history of sport at the Institute, the Cross Country Team left the Back Bay Station, Monday afternoon on its journey to the intercollegiate course at Princeton.

Led by Glover 1908, president of the Athletic Association, the crowd cheered from 5:30 o'clock until the train passed out of the station at 6:15. The team, each individual member, and Capt. Howland and Coach Kanaly were cheered again and again. "Dear Old M. I. T." "The Cardinal and the Gray" were sung and resung, and all joined in the singing of the "Stein Song" with bared heads.

As the team boarded the train, each man was greeted with an outburst, and as the train pulled from the station the crowd broke into one long, loud hurrah, and threw hats high in the air.

The eight men taken were H. H. Howland 1908, Captain; H. R. Callaway 1908, B. L. Gimson 1908, C. L. Batchelder 1908, R. Ellis 1909, J. N. Stephenson 1909, J. F. McCarthy 1909, and W. T. MacCreddie 1911. Manager R. W. Ferris 1908, and Coach Frank Kanaly accompanied the team.

Just before the train pulled out, Coach Kanaly said, "The fellows have been running so well together that either we're rotten or we're pretty good. We hope to do as well as last year."

OUT-OF-TOWN MEN WILL BE ENTERTAINED TOMORROW.

Prof. Morse Will Speak to Them at Technology Club.

Students of the Institute who cannot be at their own homes or those of friends on Thanksgiving evening, are cordially invited by the President to meet at the Technology Club, 63 Newbury St., at 7:45 P. M. Professor Edward S. Morse, an eminent scientist and an interesting speaker, will give an illustrated "Talk upon the Japanese." Light refreshments will be served after the talk.

Students wishing to attend are requested to apply at once at the Information Office for tickets of admission to the Technology Club.

INSTRUCTOR'S ELECT OFFICERS.

Dr. Blanchard is President of the Club.

At the last meeting of the Instructor's Club, the officers elected for the ensuing year were: president, Arthur A. Blanchard, PH. D. of the Chemical Department; vice-president, Daniel F. Comstock, S. B. of the Physics Department; secretary and treasurer, Chauncey C. Batchelor, A. B., of the English Department; executive committee, Walter H. James S. B. of the Mechanical Engineering Department, and Ernest A. Mueller, A. M. of the Department of Mathematics.

THREE PRIZES FOR HANDICAP RACE.

Insignia Will Also be Awarded in Cross Country Run.

The annual handicap cross country race will be held over the eight mile course in West Roxbury on Saturday. Liberal handicaps are given, so that every man has an equal show. With the intercollegiate run coming Wednesday, the Cross Country Team will be out of Saturday's race. Every man who has been out on the hare and hound runs in condition for this race.

Three silver cups will be given as prizes, for first and second places, and for best time. The four men making the best times will be awarded the "C.T." The entry fee is 50 cents, including fares. Entries may be left at the Cage.

## EIGHT ALUMNI ARE UP FOR CORPORATION.

THREE TO BE SELECTED FOR FIVE YEARS.

Alumni Association Also Announces Nominations of Class Officers.

In accordance with the by-laws of the Corporation of the Institute, the nominating committee of the Alumni Association has sent out ballots containing the names of eight nominees for term members of the Corporation. The names submitted are: James W. Rollins, Jr., 1878, Arthur Winslow 1881, Arthur D. Little 1885, Everett Morss 1885, Arthur T. Bradlee 1888, Gary N. Calkins 1890, Frederic H. Fay 1893, and J. Arnold Rockwell 1896.

Five of the eight are to be voted for, and the names of the five receiving the highest number of votes will be submitted to the Corporation at its March meeting. The Corporation will vote for three out of the five, and the three persons receiving the largest number of votes will be members of the Corporation for five years.

James W. Rollins, Jr. 1878, Course I, is now president of the Holbrook, Cabot and Rollins Corporation of Boston. Since his graduation he has been assistant engineer of the Mass. Central R.R., Union Pacific R.R., Old Colony R.R., N. Y., N. H. and H., and chief engineer of the Atlantic and Danville R.R. Adirondack R.R., and the Plymouth and Middleboro R.R. He is a member of the American Society of Civil Engineers and of the Boston Society of Civil Engineers.

Arthur Winslow 1881, Course III, is president of the United States and British Columbia, and the Liberty Bell Gold Mining Companies. He is the author of "Winslow's Stadia Tables"; is a member of the American Institute of Mining Engineers; was president of the Colorado Mine Operator's Association in 1902, and is a fellow of the Geological Society of America.

Arthur D. Little was a special student in Court V, and has been prominent as an expert chemist since his graduation. His present laboratory organization is one of the most complete in the country. He is joint author with R. B. Griffin of "Chemistry of Paper Making." He is a member of the American Chemical Society, Verein der Zellstoff und Papier Chemiker, and a fellow of the American Association for the Advancement of Science.

Everett Morss 1885, Course III, is now president of The Simplex Electrical Company of Boston. Mr. Morss was a member of the Walker Memorial Gymnasium Committee, chairman of the Income Fund Committee, and president of the Alumni Association in 1906 and 1907.

Arthur T. Bradlee 1888, Course II, became a partner in Harding, Whitman and Company in 1903. This company handles the entire output of twenty southern cotton mills and is sole agent for several large eastern worsted mills. Mr. Bradlee was vice-president of the Alumni Association in 1895; was one of the founders of the Technology Club and has been a member of the Council of the club since its foundation.

Gary N. Calkins, who is now delivering a series of eight lectures on protozoology before the Lowell Institute, was a graduate of Course IX in 1890. He is professor of protozoology at Columbia University, and is the author of "The Protozoa."

Frederic H. Fay 1893, Course I, is now assistant engineer in the Engineering Department of the City of Boston. He is a member of the American Society of Civil Engineers and of the Boston Society of Civil Engineers. He is a member of the Institute Income Fund Committee, and was vice-president of the Alumni Association in 1902.

J. Arnold Rockwell 1896, Course VII, is a practicing physician in Cambridge, Mass. He has been surgeon in several prominent hospitals, and is now on the visiting staff of physicians at the Massachusetts Homeopathic Hospital. He was one of the original members of the M. I. T. Advisory Council on Athletics, and

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Wednesday, November 27, 1907.

### BULLETINS OF RACE.

THE TECH has sent a correspondent, D. C. McMurtrie 1910, Athletic Editor, to Princeton, New Jersey, to cover the intercollegiate cross country race. THE TECH will attempt to have telephone connections with Princeton during the race and hopes to post bulletins in Rogers Corridor.

The race starts between three and four in the afternoon, so that the first news should be posted on THE TECH bulletin board about 4 P. M.

In the Friday morning issue of THE TECH there will be a special story by Mr. McMurtrie on the Technology team with a general story on the same race.

### CHARACTER IN SCIENCE.

The closing words of Professor Jaggar's article on the Geological Department are worthy of extended notice. They suggest a point of view that unfortunately is too seldom found in Technology men.

The goal of many men is the highest possible salary, regardless of occupation. Admitting that it is perhaps admirable to refuse remunerative but compromising offers in order to do work of service to mankind at a low salary, they add that putting aside material gain for visionary ideals does not pay.

In general men feel that money is good to have. For it they make many sacrifices. They sacrifice their own immediate pleasures, they sacrifice the pleasures of others, they even sacrifice life. But when they begin to sacrifice integrity of character, it is time to stop.

Character is founded on high ideals. To develop fine ideals, a man must do fine things; he cannot stoop to expediency. Even if a man's efforts do not pay and on the surface seem useless, he should feel bound to do what he knows is right.

To the government and the community every man is enormously indebted. From the government he derives numberless benefits, on it he depends in time of trouble. In common honesty he should do his part in paying off this indebtedness.

"It is a temptation for a man to apply himself to work that brings the highest financial reward. To yield to this temptation is common, but it is immeasurably fine for a man to put aside all thought of petty financial gain and devote himself to public service and the advancement of his fellow men."

### ELECTION OF FENCING MANAGER.

(Continued from page 1.)

deal of the routine labor. He started work before the meet with the Springfield Training School.

He secured officials for some of the bouts, he arranged the floor at the Gym for the contests, he sold tickets, put up posters and went around for advertising for a program which it was attempted to get out. It was reasonable to suppose that he would not have done all this work had he not thought that he would have some position in return. He took orders all through the season from the manager of the team.

These were the facts that prompted the editorial that appeared on the subject of a fencing manager. Mr. McMurtrie did not claim that they were correct but he held that the matter was worth investigating. He said that there had been too much trouble in the past with regard to the appointment of managers by competition and the matter deserved very careful consideration. With the new system of selecting managers just being put into operation it was very imperative that the fair thing be done in this instance.

Manager Place then said that the quality and quantity of Mr. Shaffer's work had not been satisfactory last year and also held that the captain and manager had nothing to do with the appointment as assistant manager.

Mr. Loring held that a manager should be elected at the meeting and asked that the names of these who had handed their names in for the position be read. It was then brought up that if any of the men were elected they would be elected without any competition at all and several members of the association insisted that some competition be held before any manager was elected.

The motion to elect a manager without further competition was passed 13 to 9. The nine men who voted against the motion were Wentworth, Callaway, Salisbury, Fernstrom, Allen, Turner, McMurtrie, Scharff, and Kelley. The other men voted affirmatively.

The men who had indicated the intention of coming out for the position of manager were Jackson 1910, Chapin 1910, Torrey 1910, and Ferguson 1909. Moses 1909, and Snarer 1909. It was decided to vote for Juniors only and as a result of the election A. L. Moses 1909 was elected to the position. The balloting was: Moses 13; Ferguson 6; and Shaffer 2.

With regard to the election of a man for the position of assistant-manager of the cross country team Manager Ferris said that Stephenson 1909, Soule 1909, and Mills 1810 had been trying for the job and had done an equal amount of work. He recommended the election of Soule saying that he was the best man for the place. On the ballot Soule received 14 votes and Stephenson 5.

The plans for the track season were brought up by Manager McMurtrie and were discussed by the meeting. An indoor meet with Holy Cross may be arranged and it is quite probable that Tufts may be admitted to the dual meet that is to be held with the University of Maine.

Manager Ferris of the cross country team said that in his opinion it would be a good thing to have a collection for the cross country team taken up at the Back Bay station and he asked what the association thought of the plan. There was no objection raised and it was decided to take up such a collection. President Glover said that Major Briggs and Mr. Franklin of the Advisory Council would be invited to be present at the next meeting to talk over the financial relations of the new association with the undergraduate body.

### EIGHT ALUMNI.

(Continued from page 1.)

again member in 1905, 1906 and 1907.

The Alumni Association also announces the selection of the following men to be voted on for the officers of the association: for president, Walter B. Snow 1892; for vice-president, Albert F. Bemis 1893; for secretary, Walter Humphreys 1897; for executive committee, Howard L. Coburn 1887, and W. Spencer Hutchinson 1892; for nominating committee, Charles T. Main 1876, Allyne L. Merrill 1895, and Andrew D. Fuller 1895; for committee on school, Henry Souther 1887; for advisory council on athletics, J. Arnold Rekwel 1896.

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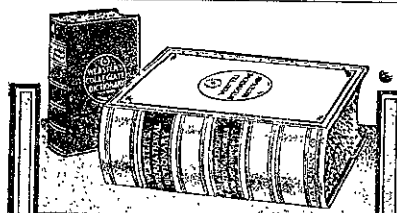
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### RESEARCH WORK.

(Continued from page 1.)

has recently been much greater than the supply. This special demand is owing to the rapid increase of mining enterprises in Mexico, South America, Alaska, the south-western States, and South Africa. Some of our graduates have become teachers in colleges, others have gone into the United States Geological Survey, but most of the men start out at the bottom of the ladder in a mine and work up. Work as assistant on the United States Geological Survey is desirable, but only the men exceptionally well trained in geology can hope to be recommended for such positions. The Survey wishes men who take such positions to stay in government work for some years, as the government authorities cannot spend all their time in training men only to lose them as soon as they are trained. A man in the Survey sees a variety of fields, comes in contact with all phases of economic geology and learns how to write scientifically and make good geological maps. The salaries, however, in the government work are small. Perhaps the highest salary paid to a working geologist is \$4,000. This, of course, does not compare with the possibilities in commercial work. Moreover a government geologist is bound by civil service restrictions to keep clear of all commercial projects. He is not allowed to do expert work on United States territory and he is not allowed to have any holdings in United States mineral land.

There is fact growing up a new profession for the mining geologist, and some of our most successful graduates are engaged in it at present. This is the vocation of geological experts for mining corporations. The larger corporations nowadays almost always employ a man whose business it is to make geological and geological maps of their properties, to go out and investigate new properties and report upon them, to keep track of the geological developments of underground work, and to give evidence in court when required in connection with lawsuits. The last twenty years has seen an extraordinary growth of appreciation on the part of commercial men of the work of the geologist, and the mining journals are now full of references to geological questions where formerly there was no mention of them. This has come about partly through the good work of the United States Geological Survey and the state surveys, and partly through the great increase in size of mining operations over large tracts of country on low-grade propositions.

The status of the Institute among geologists is of the first rank if one may judge by the accomplishments of its graduates. Several of them occupy high positions in government bureaus. Mr. Newell is at the head of the reclamation service. Prof. Crosby is widely known as an expert for mining corporations work-

ing in Alaska, the Cordilleran belt and in Mexico; and he is consulting geologist to the Board of Water Supply of New York City. Professor Miles by his untiring activity in organizing the work of the Geological Department, brought it to occupy a prominent place as the training school of such men. Recent graduates are sending in letters from Mexico, Nevada, California, and Alaska, telling of their contentment with present occupation and of their satisfaction with the training which they received at the Institute.

Let me say a word in conclusion concerning geology as a pure science. We are now striving to establish a research laboratory of physical geology; to have students return to the department to do research for higher degrees; to maintain as research assistants a number of graduates who have perhaps spent a year or two abroad and return to us to carry on useful investigation. Geology for men who can afford to plan such work as this offers an exceptionally attractive field. The quantitative side of the science is only beginning to be appreciated. Earth movement, the origin of ore deposits, underground waters, engineering in earthquake and volcanic land, the silting of harbors and rivers, and the synthesis of the igneous rocks, all offer subjects for investigation from which most important results may be expected. In such lines of inquiry, with careful, plodding experimentation, having only the benefit to humanity or to science in view, the greatest names of science, such as Darwin, or Pasteur, have been associated. The work of Pasteur especially was directed immediately to the benefit of mankind and without the hope of commercial reward. Technology men who feel in themselves the capacity for research ought at any cost to undertake it without regard to the question of pay. By so doing they will be most productive of service to their country and win the highest respect of their fellow-men.

T. A. JAGGAR, Jr.

### FACULTY NOTICES.

COURSE III—Course III students in Hydraulics will meet Professor Mott on Wednesdays at 9 in 49 Eng. A, and on Fridays at 10 in 53 Eng. A. The first exercise will be today.

Exercises in precision of measurements for students in Course II, college graduates and conditioned students will begin as per tabular view on Wednesday, Nov. 27.

Exercises in the Physical Laboratory for students in Courses II, X, and XIII, will begin as per tabular view on and after Monday, Dec. 2. Exercises for Course III will begin on and after Monday, Dec. 9. Students in all of these courses will meet in 22 Walker on Nov. 26 at 11 A. M. for directions regarding the work.

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## CALENDAR.

Wednesday, November 27.

1.52 P. M. Cross Country Men leave  
Back Bay Station for Walk over  
Handicap Course.

4.00 P. M. Nominations for 1909 Prom  
Committee due at the Cage.

4.15 P. M. 1909 Nominating Committee  
Meeting in Trophy Room.

8.00 P. M. Iowa Men in 523 Tech  
Chambers.

Thursday, November 28.

Exercises of the Institute Suspended  
for the Day.

7.45 P. M. Reception and Talk to Out-  
of-Town Men at the Technology  
Club.

Friday, November 29.

4.00 P. M. Mandolin Club Rehearsal in  
33 Rogers.

## NOTICES.

1910.—The picture of the 1910 Tug-of-  
War team will be taken at Notman's  
studio, 384A Boylston street, Saturday,  
Nov. 30, at 1 P. M.

CROSS COUNTRY.—Men will leave  
the Back Bay Station at 1.52 P. M. today  
to walk over the course of the eight-mile  
handicap run to take place Saturday.

1909.—Lists of Junior Prom nominees  
are due at the Cage today at 4.00 P. M. Printed ballots containing the nominees  
will be sent out as soon as possible to the  
class and these will be due at the time  
designated on the ballot. The committee  
in charge will be the same as that which  
handled the Junior class elections, and  
consists of J. I. Finnie, F. B. Taite, A. K.  
Mitchell, P. E. Young, C. W. Gram.

1909.—There will be a meeting of the  
1909 Nomination Committee at 4.15  
P. M. today in the Trophy Room.

## CLASSIFIED ADS.

Advertisements of this kind under different  
classifications are inserted at the rate of five  
cents a line, averaging six words to a line, pay-  
able in advance.

WANTED.—One copy of Woods and  
Bailey's "A Course in Mathematics,"  
Vol. I. State price wanted, "M," care of  
"Cage."

WANTED AT ONCE.—Agents for  
the Red Dwarf Ink Pencil. Apply any  
noon at Room 30, Rogers.

WANTED AT ONCE.—Copies of the  
first six volumes of Technique in good  
condition. State price. Box 52, The  
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